



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010617
CERTIFICATION DATE: October 1, 2013
DATE RECERTIFICATION DUE: March 30, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

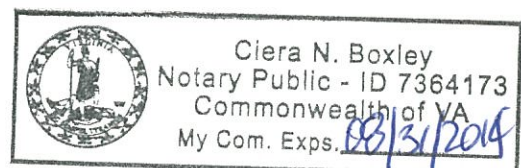
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 9th day of October, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TL



DBH
NSK

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/2/2013**

Instrument Serial Number: 010617 **As of 02-Oct-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
01-Oct-13	01-Oct-13	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
30-Jul-13	30-Jul-13	TLN (25387)	CERTIFIED.
16-Jul-13	16-Jul-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
28-Dec-12	28-Dec-12	DBH (21250)	CERTIFIED.
16-Jul-12	16-Jul-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
30-May-12	31-Jan-12	DBH (21250)	SITE VISIT CONDUCTED.
31-Jan-12	31-Jan-12	DBH (21250)	CERTIFIED
16-Aug-11	16-Aug-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
08-Mar-11	08-Mar-11	DBH (21250)	CERTIFIED
20-Sep-10	20-Sep-10	DBH (21250)	CALIBRATED AND CERTIFIED
03-Jun-10	05-Apr-10	DBH (21250)	REPLACED DRY GAS STANDARD
05-Apr-10	05-Apr-10	DBH (21250)	CERTIFIED
20-Oct-09	20-Oct-09	DBH (21250)	CERTIFIED.
13-May-09	13-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
05-Jan-09	05-Jan-09	DBH (21250)	CERTIFIED.
27-Nov-08	27-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
MSS

INTOX EC/IR II

Quality Assurance Worksheet

Instrument Serial Number 010617 Worksheet Start Date 10/1/2013

Location Virginia Beach Jail

Address 2501 James Madison Blvd Virginia Beach VA 23456

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

Yes No

1 Secured Environment:

Location must not be accessible to the general public.

☒

☐

2 Environment free from contaminants

☒

☐

3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒

☐

4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒

☐

5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒

☐

6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

☒

☐

7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒

☐

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces 250
Keyboard			Certificates of Analysis 300
Printer			Operator Worksheet 300
UPS			Other:

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010617

Certification Date 10/1/2013

Instrument Barometer (mm HG) 762

Reference Barometer (mm HG) 765

Reference Barometer(RB)Serial # 009110

RB Calibration Due 5/30/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.251	0.243	0.258	0.246	
Precision		sample min	sample max	Sample 2	0.245
0.002		0.244	0.246	Sample 3	0.244

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	0.147	
Precision		sample min	sample max	Sample 2	0.147
0		0.147	0.147	Sample 3	0.147

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	0.079	
Precision		sample min	sample max	Sample 2	0.079
0		0.079	0.079	Sample 3	0.079

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	0.019	
Precision		sample min	sample max	Sample 2	0.019
0		0.019	0.019	Sample 3	0.019

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-18

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	0.099	
Precision		sample min	sample max	Sample 2	0.099
0		0.099	0.099	Sample 3	0.099

DFS Technician

Donald B. Hall

Date

10/2/13

Issuing Analyst

Melina Kennedy

Date

10/7/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

DBH

MSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010617 Test Number: 1286
Test Date: 10/01/2013 Test Time: 12:30 EDT

Technician Initials: DBH

Dry Gas Target: 0.251

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 218 psi Barometric Pressure: 762 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:31
BLK	0.000	12:31
CHK	0.246	12:32
BLK	0.000	12:34
CHK	0.245	12:34
BLK	0.000	12:36
CHK	0.244	12:37
BLK	0.000	12:38

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

WHL

Department of Forensic Science
Serial Number: 010617 Test Number: 1287
Test Date: 10/01/2013 Test Time: 12:41 EDT

Technician Initials: DBH
Dry Gas Target: 0.150
Lot Number: 2951215012-03 Exp Date: 11/01/2014
Tank Pressure: 948 psi Barometric Pressure: 762 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:41
BLK	0.000	12:42
CHK	0.147	12:43
BLK	0.000	12:44
CHK	0.147	12:45
BLK	0.000	12:46
CHK	0.147	12:47
BLK	0.000	12:48

SUCCESS

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH
Noel

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010617 Test Number: 1288
Test Date: 10/01/2013 Test Time: 12:51 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0651208012-03 Exp Date: 04/01/2014

Tank Pressure: 183 psi Barometric Pressure: 762 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:51
BLK	0.000	12:52
CHK	0.079	12:53
BLK	0.000	12:54
CHK	0.079	12:55
BLK	0.000	12:56
CHK	0.079	12:57
BLK	0.000	12:58

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

DBH

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010617 Test Number: 1289
Test Date: 10/01/2013 Test Time: 13:00 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0651202011-05 Exp Date: 04/01/2014

Tank Pressure: 95 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:01
BLK	0.000	13:01
CHK	0.019	13:02
BLK	0.000	13:03
CHK	0.019	13:04
BLK	0.000	13:05
CHK	0.019	13:06
BLK	0.000	13:07

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH

WJH

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010617 Test Number: 1290

Test Date: 10/01/2013 Test Time: 13:11 EDT

Dry Gas Target: 0.300

Lot Number: AG322702-04 Exp Date: 08/15/2015

Tank Pressure: 242 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:12
CHK	0.298	13:13
BLK	0.000	13:14
CHK	0.297	13:15
BLK	0.000	13:17
CHK	0.297	13:18

Test Status: Success

Calibration CRC: 57CA468F

DBH

WHL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010617 Test Number: 1291

Test Date: 10/01/2013 Test Time: 13:22 EDT

Dry Gas Target: 0.100

Lot Number: AG320502-18 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:22
CHK	0.099	13:23
BLK	0.000	13:25
CHK	0.099	13:26
BLK	0.000	13:27
CHK	0.099	13:28

Test Status: Success

Calibration CRC: 57CA468F

DBH

N/A



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	10/01/2013
TEST EQUIPMENT NUMBER		
010617		

RESULTS: TIME SAMPLE TAKEN 13:38 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

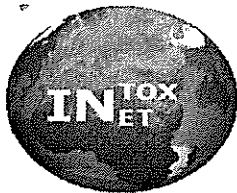
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 01 Oct 2013 at 16:53

DBH

Mark

Test Results

Instrument Serial Number 010617

Test # 001292 Subject Test

Test Location 1 Department of
Test Date 01 Oct 2013

Test Location 2 Forensic Science
Test Time 13:31
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 01 Oct 2013 End Time 13:39

Result Time 13:38

Result Date 01 Oct 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:32

Data Type BLK

Sample Value 0.000

Sample Time 13:32

Data Type CHK

Sample Value 0.099

Sample Time 13:33

Data Type BLK

Sample Value 0.000

Sample Time 13:34

Data Type SUBJ

Sample Value 0.000

Sample Time 13:35

Data Type BLK

Sample Value 0.000

Sample Time 13:36

Data Type SUBJ

Sample Value 0.000

Sample Time 13:38

Data Type BLK

Sample Value 0.000

Sample Time 13:39

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-18

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.54 sec

Blow Volume 1895 cc End-of-Blow Time 13:35

Blow Sample Number 2 Blow Duration 3.63 sec

Blow Volume 1971 cc End-of-Blow Time 13:38

Tamper Evident Stamp f8010d4e

Test Status Code 0

Test Status Success